

IN THE CLAIMS:

1 – 94. (Canceled)



95. (Currently amended) An apparatus composed of logic blocks to customize a product comprising:
- a first logic block to create a customizable product, the customizable product including a set of one or more attributes to define the customizable product.
 - a second logic block to assign the customizable product to a customizable product class, the customizable product class is a parent class of a hierarchy defining the configurator;
 - a third logic block to add a component product class to the customizable product class, the component product class is a subclass of the customizable product;
 - a fourth logic block to add a customizable class rule to the customizable product class, the customizable class rule including expressions which ~~provide conditions~~ define constraints on component products added to the customizable product; and
 - a fifth logic block to map a customizable UI to the customizable product class, the customizable UI to provide access structure to the configurator.
96. (Currently amended) The apparatus of claim [[1]] 95 wherein the component product class includes component product subclasses.
97. (Currently amended) The apparatus of claim [[1]] 95 wherein the component product class inherits the attributes of the customizable product class.
98. (Currently amended) The apparatus of claim [[1]] 95 further comprising:
- a sixth logic block to add one or more component product classes to a port; and

a seventh logic block to add the port to the customizable product class, the port to allow the configurator to classify a group of component products.

99. (Currently amended) The apparatus of claim 98 wherein the port includes a cardinality attribute, the cardinality attribute to constrain the number of component products to be added by the configurator.
100. (Currently amended) The apparatus of claim 99 wherein the cardinality attribute includes a minimum cardinality and a maximum cardinality, the minimum cardinality to constrain the minimum number of component products to be added by the configurator, the maximum cardinality to constrain the maximum number of component products to be added by the configurator.
101. (Currently amended) The apparatus of claim 99 wherein the cardinality attribute includes a default cardinality, the default cardinality defines a quantity of the component product class to be added by the configurator.
102. (Currently amended) The apparatus of claim 95 wherein the class rules includes a collection of expressions, the expressions include a property path, a constant, and an operator.
103. (Currently amended) The apparatus of claim 95 wherein the class rule includes a natural language syntax.
104. (Currently amended) The apparatus of claim 95 wherein the class rule is a subclass of the customizable product class.

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113. (Currently amended) The apparatus of claim [[1]] 95 wherein the component product class includes a static attribute, the static attribute is not associated with a parent class.

114. (Currently amended) The apparatus of claim [[1]] 95 wherein the component product class, customizable class rules, and UI class are object oriented classes.

115. (Currently amended) The apparatus of claim [[1]] 95 wherein the customizable product comprises a object oriented structure.

116. (Currently amended) The apparatus of claim [[1]] 95 wherein the customizable product includes versioning.

117. (Currently amended) The apparatus of claim [[1]] 95 wherein the configurator is stored in a data store.